

## MONTHLY OPERATIONS REPORT

May 2015

Town of Discovery Bay, CA

**2101** Days of Safe Operations

**94285** worked hours since last recordable incident

### TRAINING:

Safety, Operations, & Equipment

Safety	Hours
West Monthly Regional Safety Webinar	2.0
Weekly Safety Topics	
Operations	

## REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR)
Monthly electronic State Monitoring Report (eSMR)
Monthly Coliform Report, State Water Board (WD)

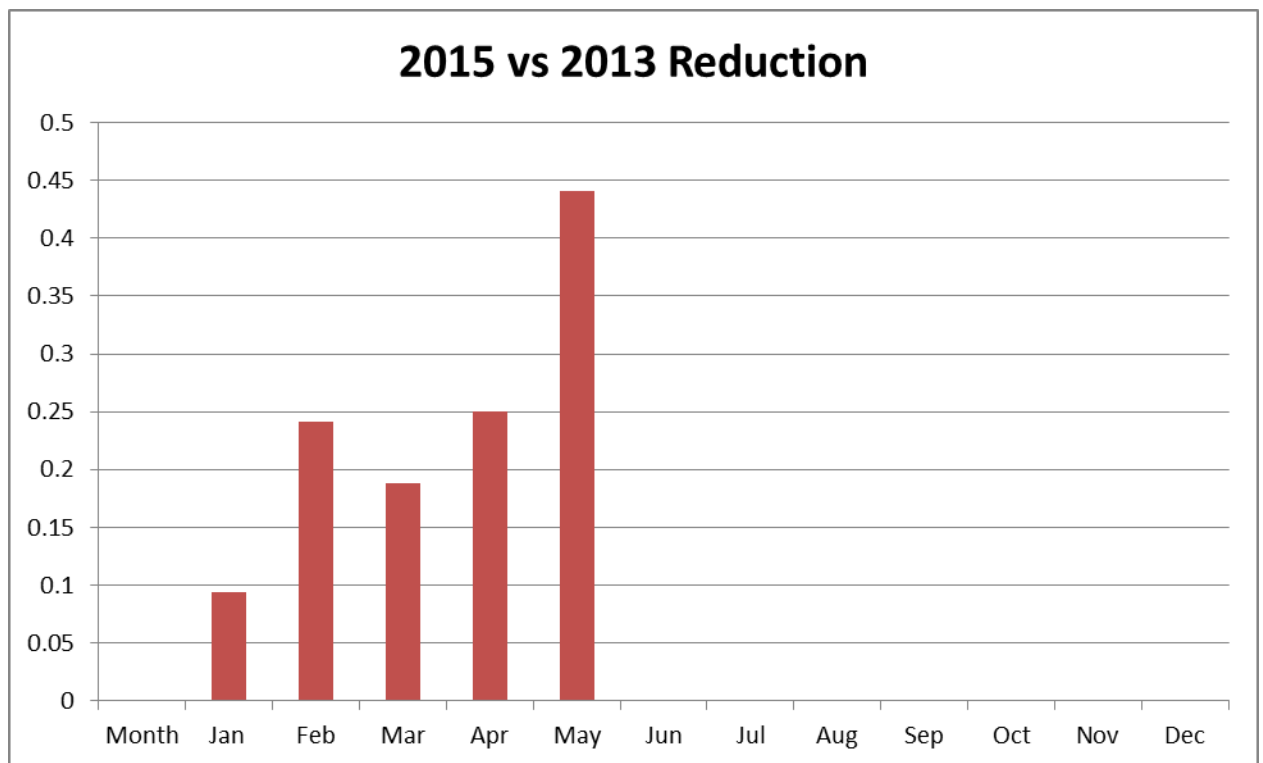
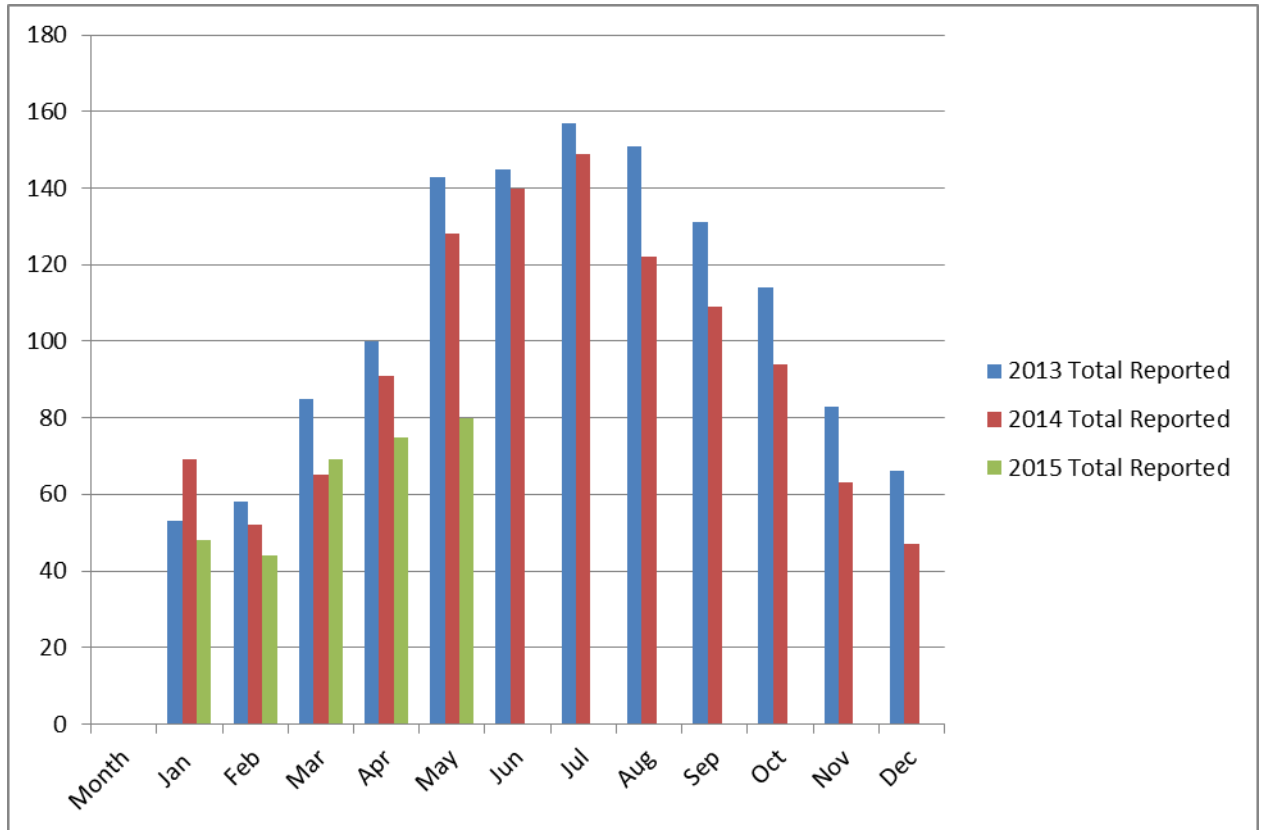
## WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	<b>80</b>	<b>3110</b>	<b>0</b>

*Note: Well 4 in lead and Well 5 in lag to offset specific conductivity*

### 2015 Water Production Table (MG) by Month

January	February	March	April	May	June
<b>48</b>	<b>44</b>	<b>70</b>	<b>75</b>	<b>80</b>	
July	August	September	October	November	December



### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>April Lab Data</i>	<i>May Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		36.5	<b>34.7</b>
Flow, MG Daily Influent Flow, <b>avg.</b>	N/A	1.46	<b>1.38</b>
Flow, MG Daily Discharge Flow, <b>avg.</b>	<b>2.1</b>	1.22	<b>1.12</b>
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	<b>350</b>	27	<b>25</b>
Effluent TSS, lbs/d, <b>monthly avg.</b>	<b>525</b>	69	<b>54</b>
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	<b>20</b>	2	<b>3</b>
Effluent TSS, mg/L, <b>monthly avg.</b>	<b>30</b>	5	<b>6</b>
Total Coli form 7 day Median Max	<b>23</b>	5	
Total Coli form Daily Maximum	<b>240</b>	11	
% Removal BOD <sub>5</sub> , monthly avg.	<b>85% min.</b>	99	<b>99</b>
% Removal, TSS, monthly avg.	<b>85% min.</b>	94	<b>93</b>
Electrical Conductivity, umhos/cm <b>annual avg.</b>	<b>2100</b>	1985	<b>2013</b>

Blue – new parameter added

### National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
<b>0</b>	<b>None</b>	<b>0</b>	<b>N/A</b>

### **Bacteriological Test Results:**

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
<b>15</b>	<b>0</b>	<b>0</b>	<b>42.8</b>

### **COLLECTION:**

- Flushing completed
- CCTV completed (Deadline is May 2015)
- Inspected 0 manhole & covers. **113** YTD
- Performed valve exercising
- Performed weekly lift station inspections.

### **MAINTENANCE:**

#### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
<b>213</b>	<b>187</b>

#### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
<b>11</b>	<b>2</b>

#### **Call & Emergency Responses**

Call Outs	Emergencies
<b>7</b>	<b>0</b>

#### **Personnel Hours & Overtime:**

Regular Hours	Overtime
<b>1330</b>	<b>51</b>

### TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT